Claims

1. An apparatus for promoting the natural herniated disc resorption (HDR) by irradiation with ultrasonic waves, comprising: at least one ultrasonic transducer; an ultrasonic oscillator; and mount means for mounting the ultrasonic transducer to a site of herniated disc (HD).

2. The apparatus for promoting the natural HDR according to claim 1, wherein the ultrasonic transducer comprises means for emitting ultrasonic waves having a frequency of 1.3 to 2MHz, a repetition frequency of 100 to 1,000Hz, a burst width of 10 to 2000μs, and power of 1 to 100mW/cm^2 (SATA: Spatial Average-Temporal Average).

3. The apparatus for promoting the natural HDR according to claim 2, wherein the ultrasonic waves have frequency 1.5MHz, repetition frequency 1kHz, burst width 200μs and power 30mW/cm^2.

4. A method of promoting the natural HDR, wherein ultrasonic waves are emitted from the surface of skin to the site of HD.

5. The method of promoting the natural HDR according to claim 4, wherein the ultrasonic waves have a frequency of 1.3 to 2MHz, a repetition frequency of 100 to 1,000Hz, a burst width of 10 to 2000μs and power of 1 to 100mw/cm^2 (SATA: Spatial Average-Temporal Average).

6. The method of promoting the natural HDR according to claim 5, wherein the ultrasonic waves have frequency 1.5MHz,

repetition frequency 1kHz, burst width 200μs and power 30mW/cm^2.

7. A medical treatment method for HD, wherein ultrasonic waves are irradiated from the surface of skin to a site of HD.

8. The medical treatment method for HD according to claim 7, wherein the ultrasonic waves have a frequency of 1.3 to 2MHz, a repetition frequency of 100 to 1,000Hz, a burst width of 10 to 2000μs, and power of 1 to 100mW/cm^2 (SATA: Spatial Average-Temporal Average).

9. The medical treatment method for HD according to claim 8, wherein the ultrasonic waves are set to have frequency 1.5MHz, repetition frequency 1kHz, burst width 200μs and power 30mW/cm^2.